

LAMP POSTS, &c.

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CCA



TELEGRAMS,
"NEWTON, SHEFFIELD."

ILLUSTRATED
CATALOGUE
OF

LAMP POSTS, &c



• MANUFACTURED BY •

NEWTON, CHAMBERS & CO^{LD}

THORNCLIFFE IRONWORKS & COLLIERIES,
NEAR SHEFFIELD.

BRANCH ESTABLISHMENTS:

19, GREAT GEORGE STREET, WESTMINSTER, LONDON, S.W.

GROSVENOR BUILDINGS, DEANSGATE, MANCHESTER.

50A, LORD STREET, LIVERPOOL.

MOORHEAD, SHEFFIELD.

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CCA

Thorneliffe Ironworks and Collieries,

Near SHEFFIELD.

1894.



WE have the honour to submit to our Customers and others a
NEW CATALOGUE OF LAMP POSTS AND FITTINGS.

To the former we tender our thanks for past favours, and hope for a continuance of their patronage; from the latter we ask the careful perusal of the list now presented

We have carefully excluded all obsolete patterns, and have added many new designs.

We are assured that for variety and completeness our patterns are not surpassed by any other firm in the trade

The good reputation for strength and quality which our castings have had for quite a hundred years, we shall always endeavour to maintain if not excel; at the same time we believe our prices will compare favourably with other houses.

We shall at all times be pleased to quote for articles to special designs, or to furnish suitable designs for any plain or ornamental castings beyond the scope of this book.

Yours faithfully,

NEWTON, CHAMBERS & CO. LIMITED.

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NEWTON, CHAMBERS & CO. LIMITED.

DWARF LAMP POSTS.



No. 1



No. 2



No. 3

THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.

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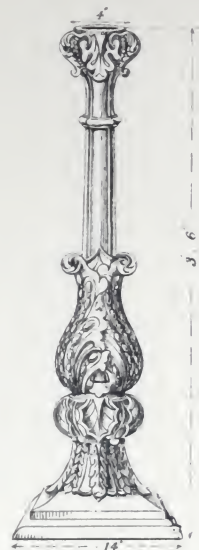
NEWTON, CHAMBERS & CO. LIMITED.



No. 5



No. 6



No. 4



No. 7



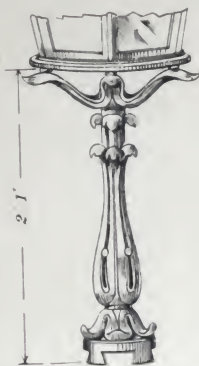
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No. 30



No. 11



No. 9



No. 10

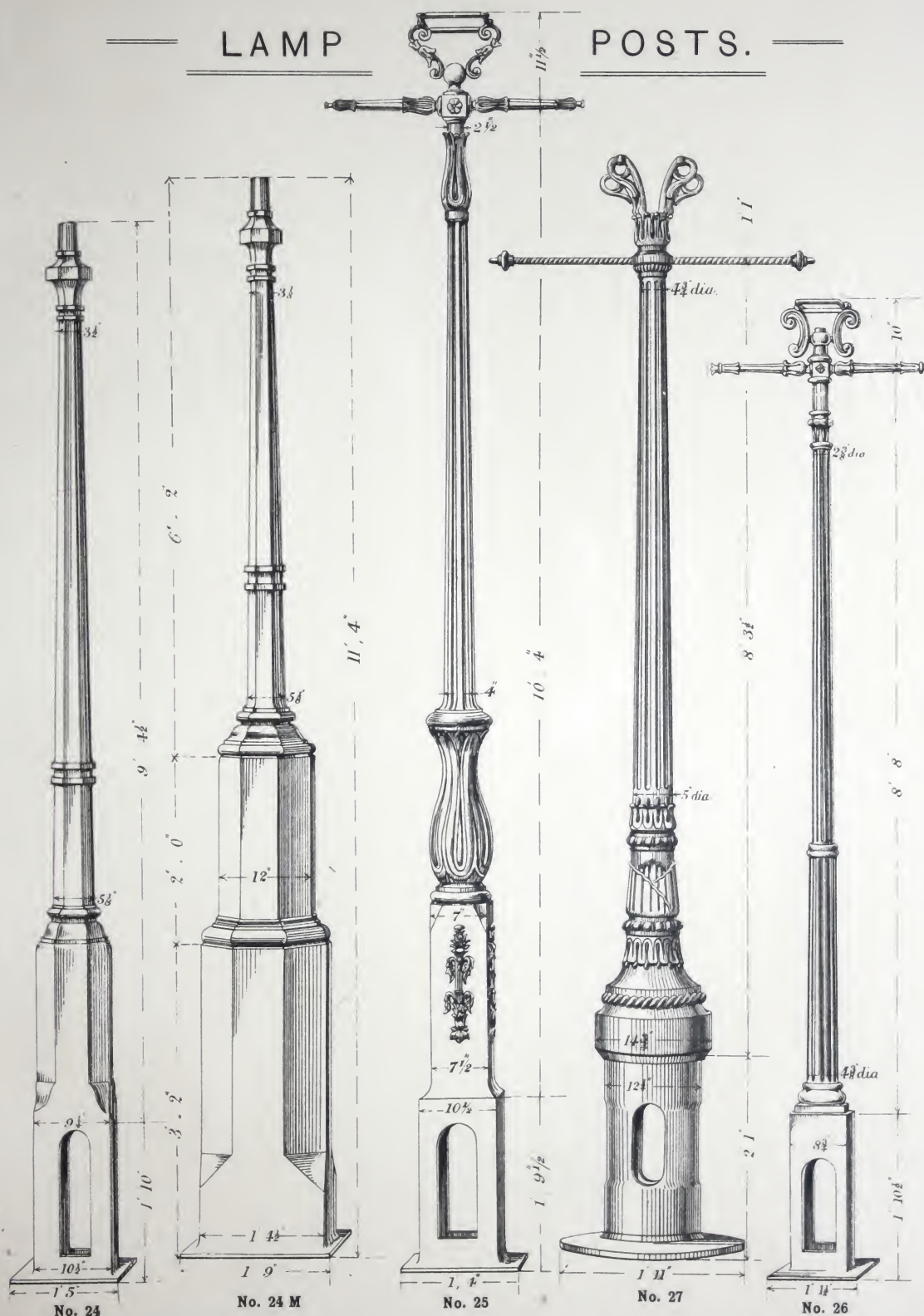
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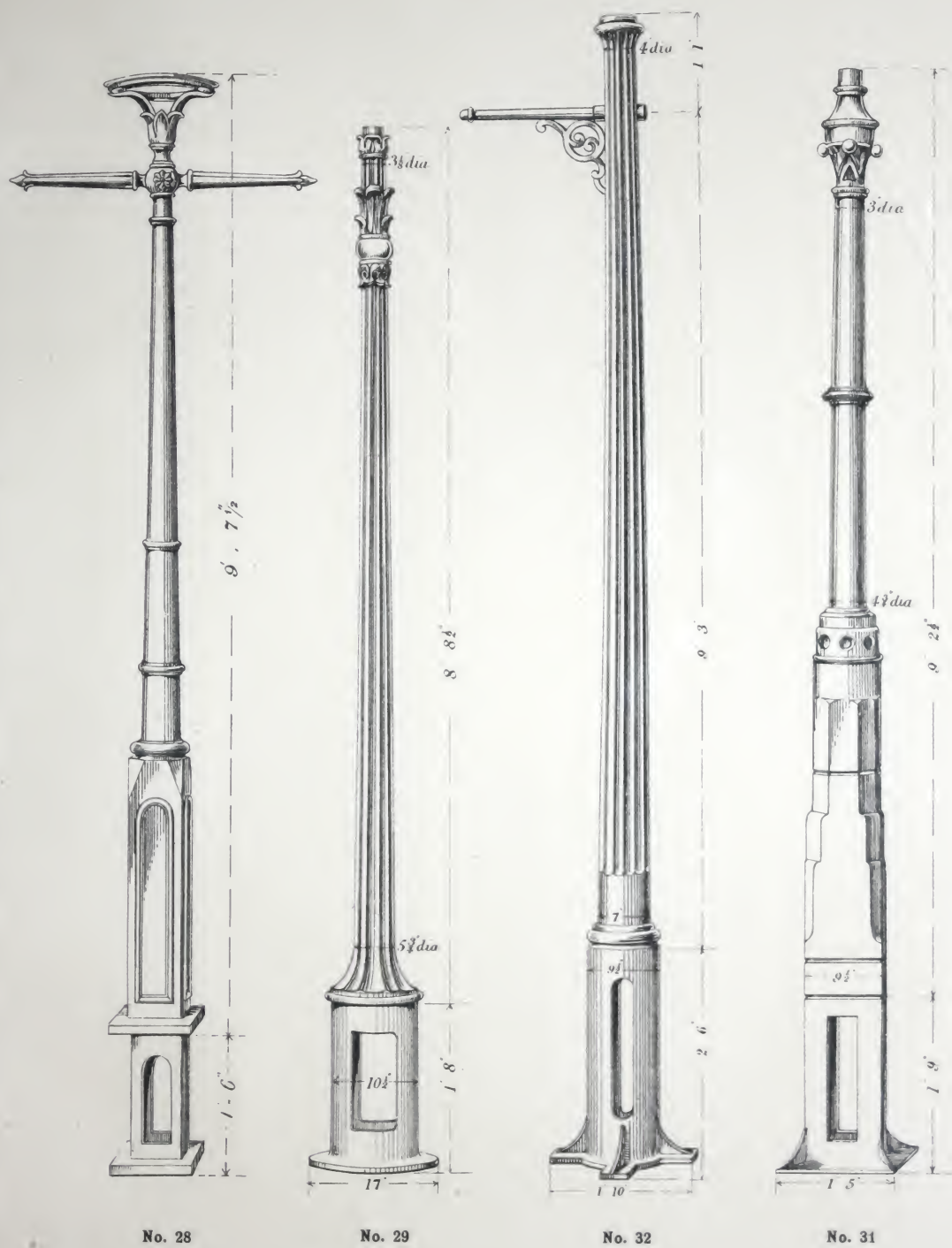
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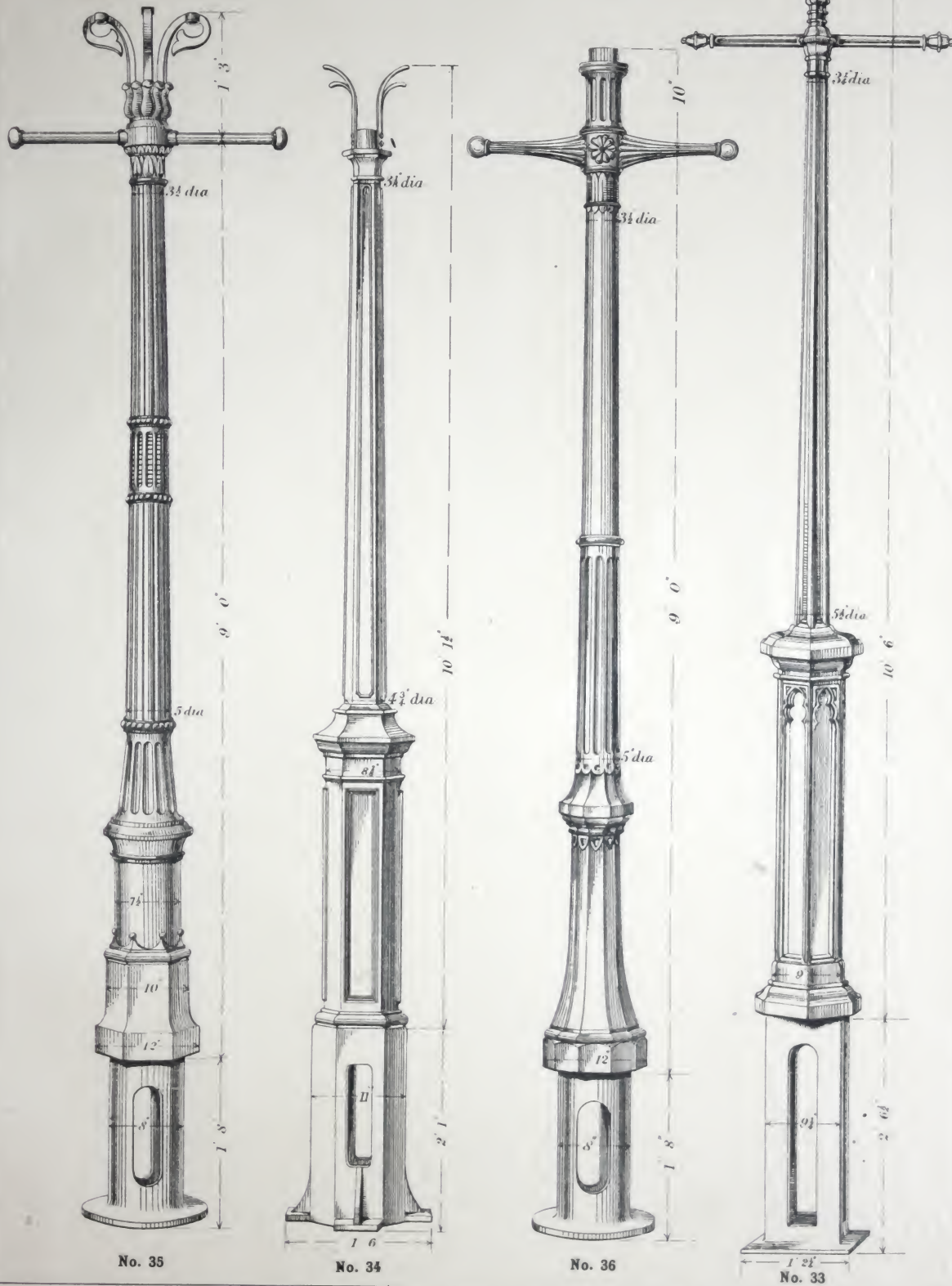
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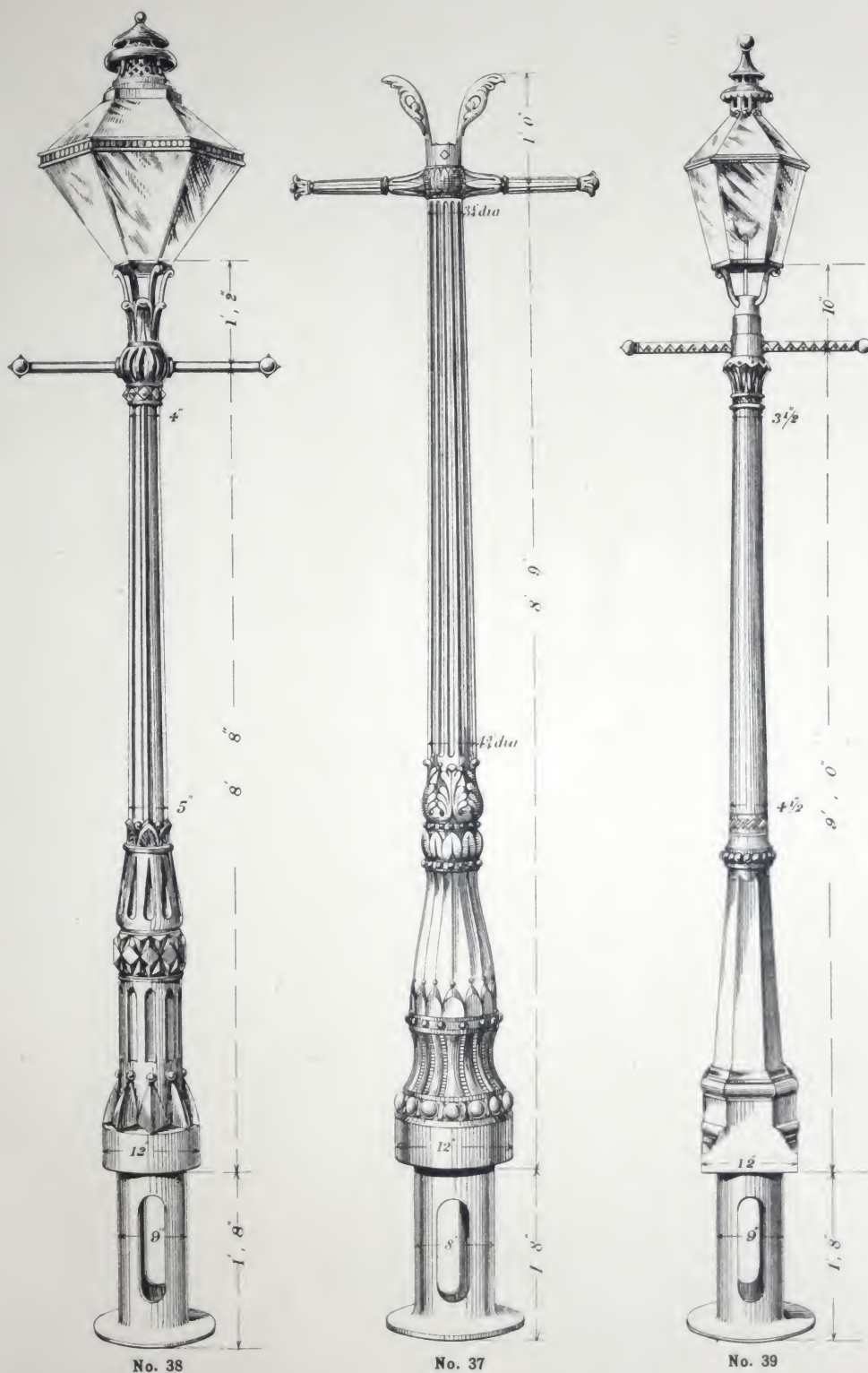
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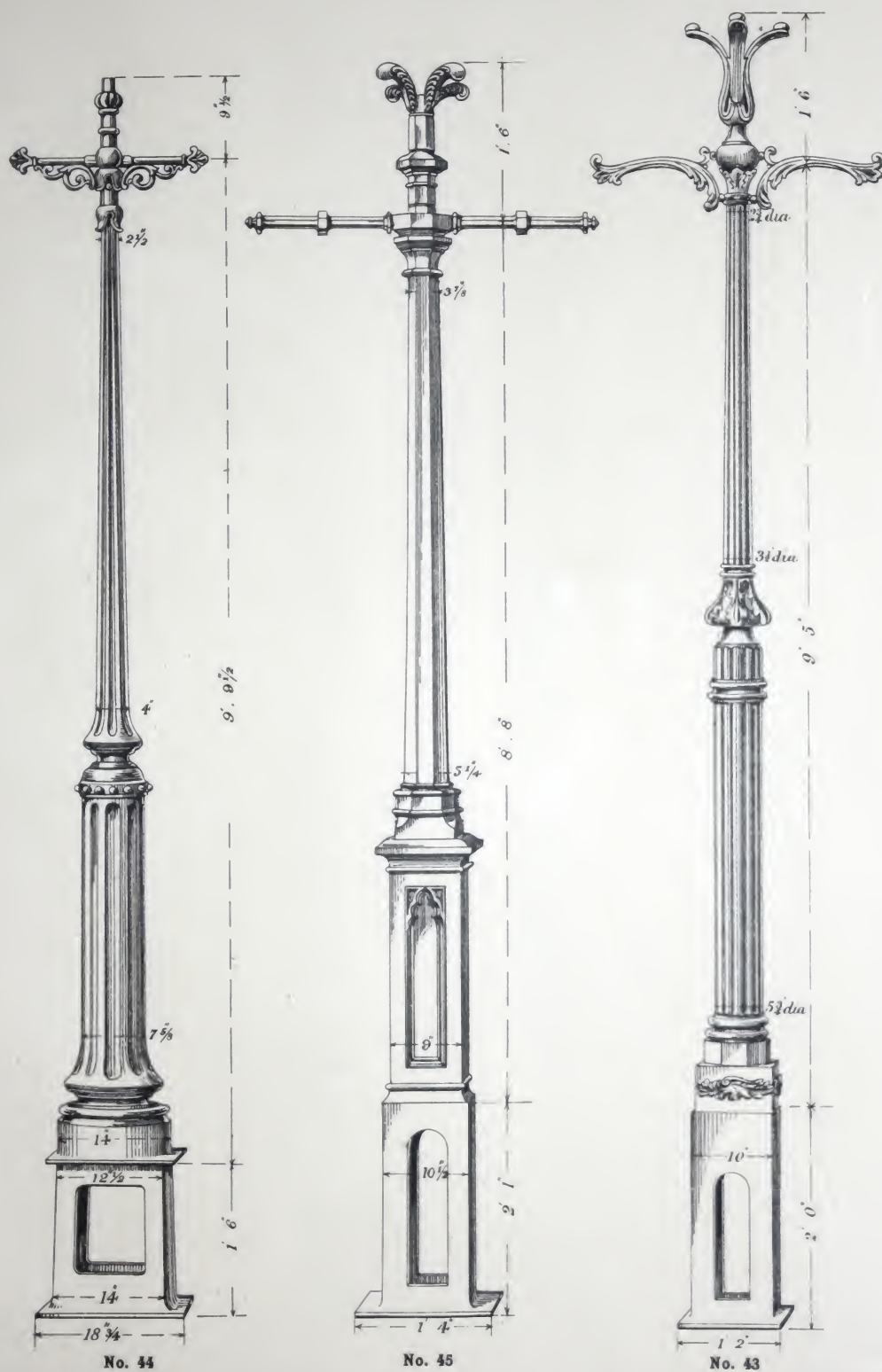
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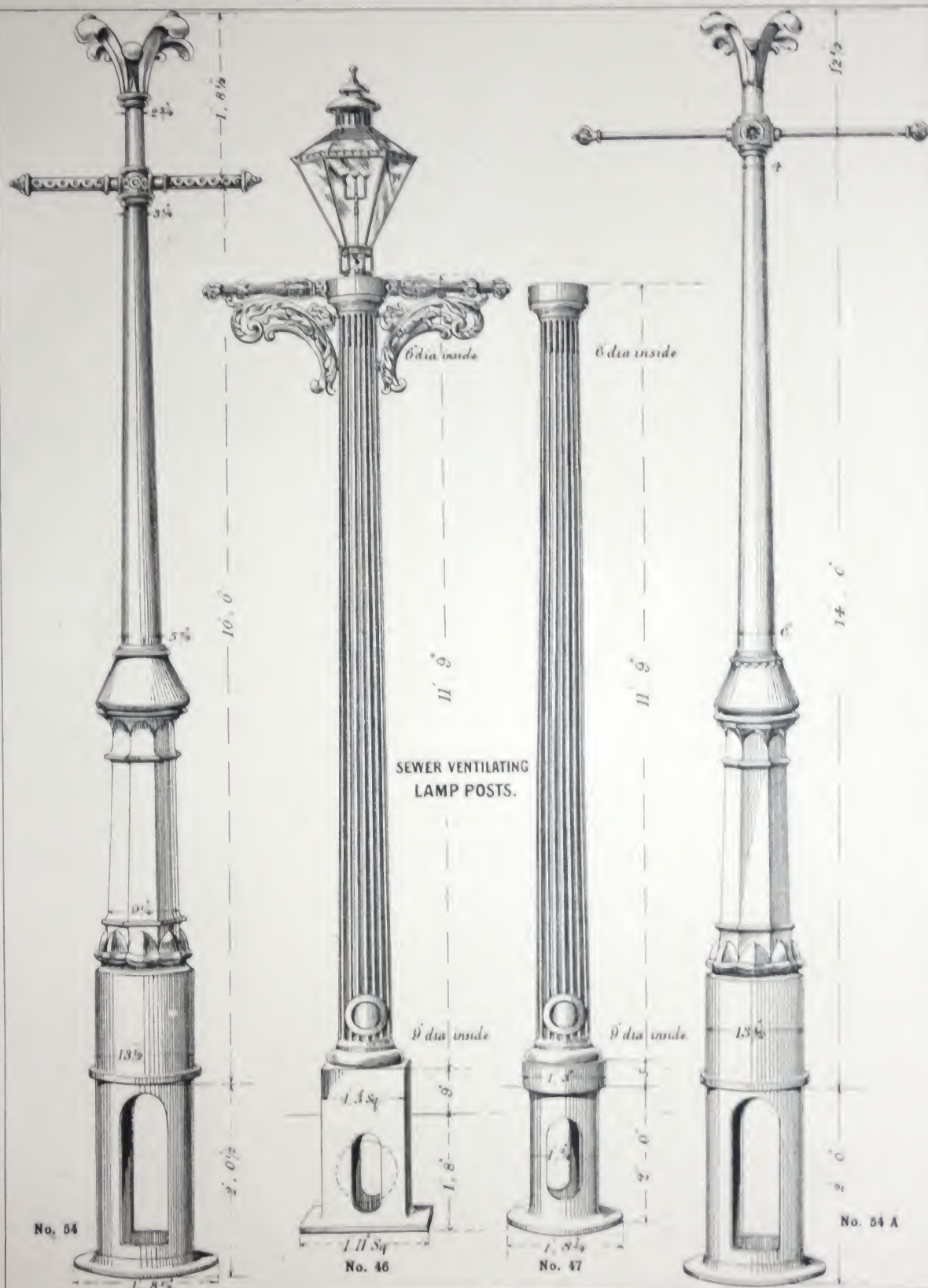
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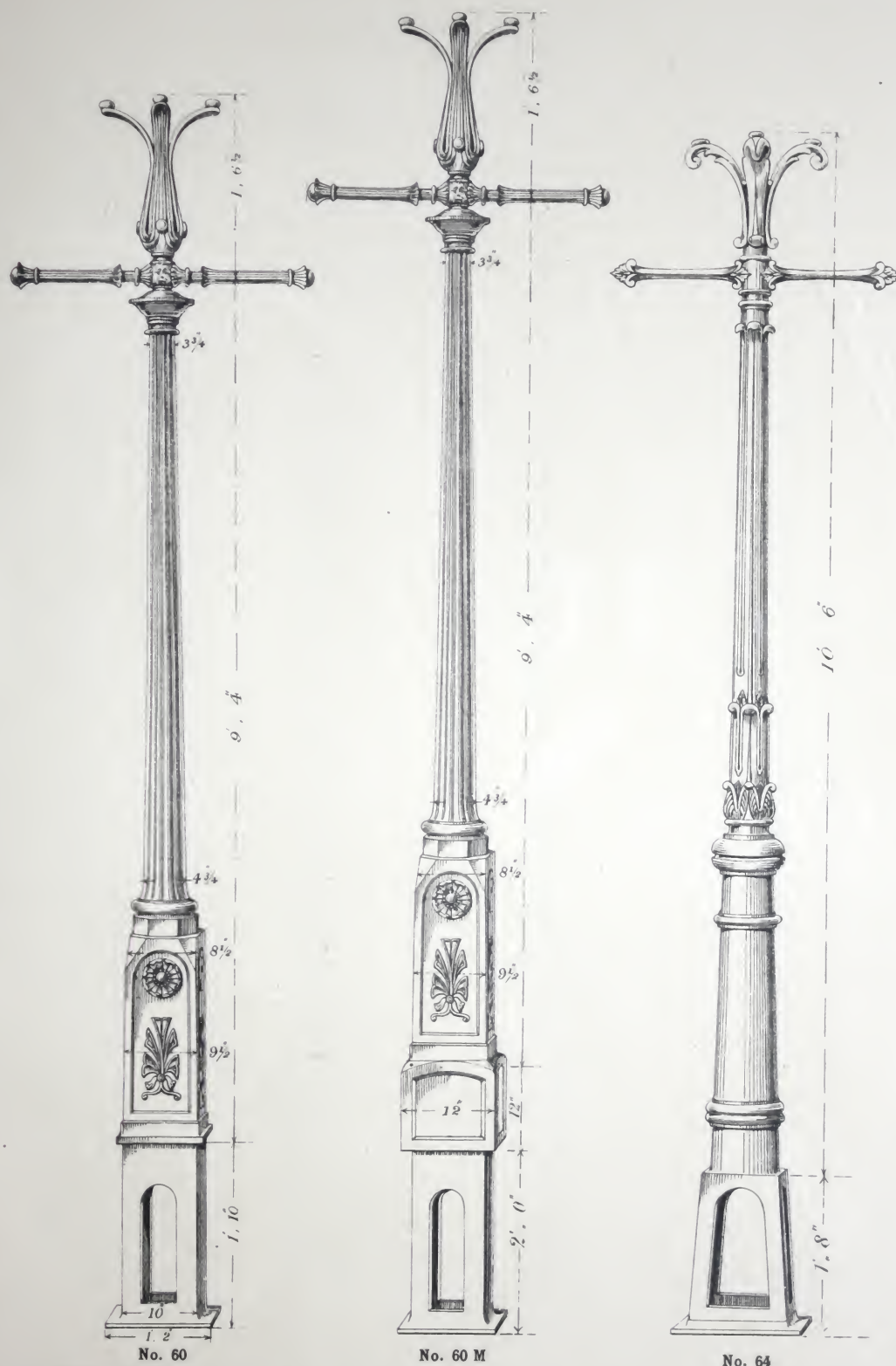
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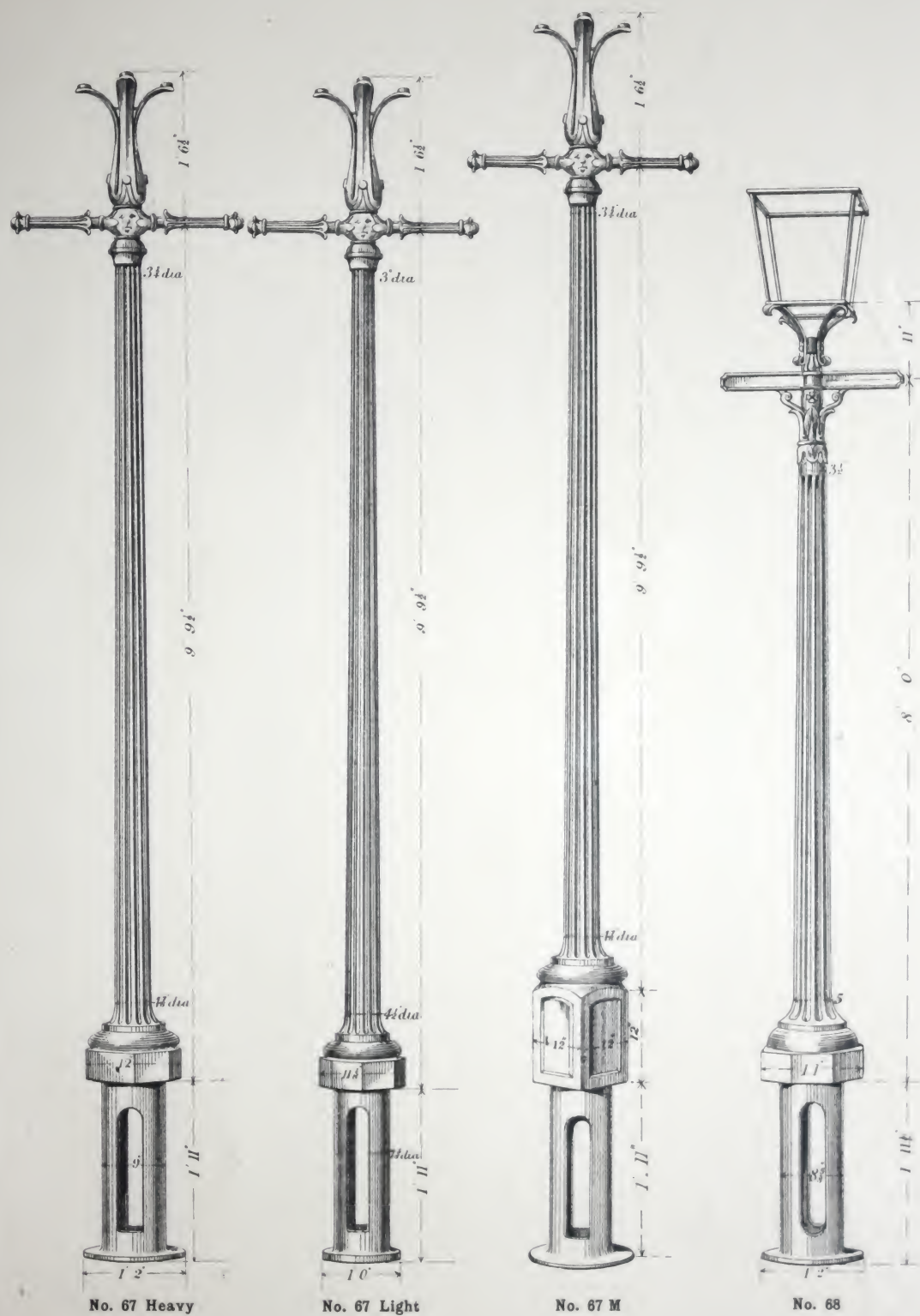
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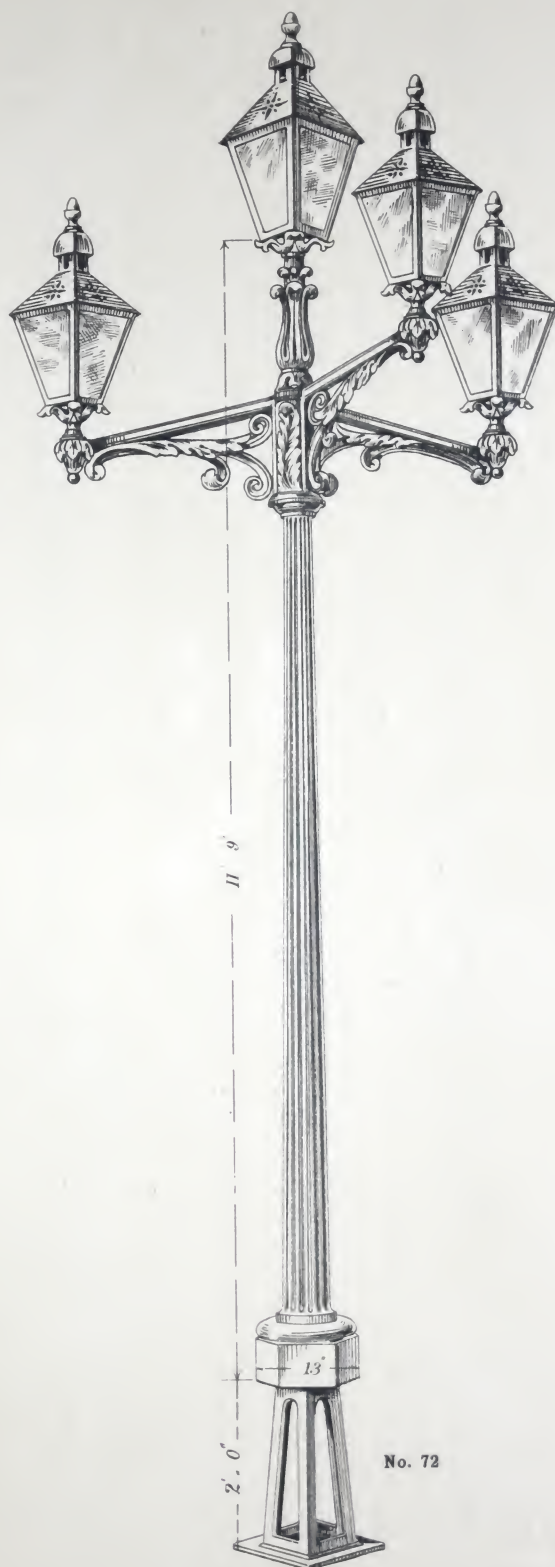
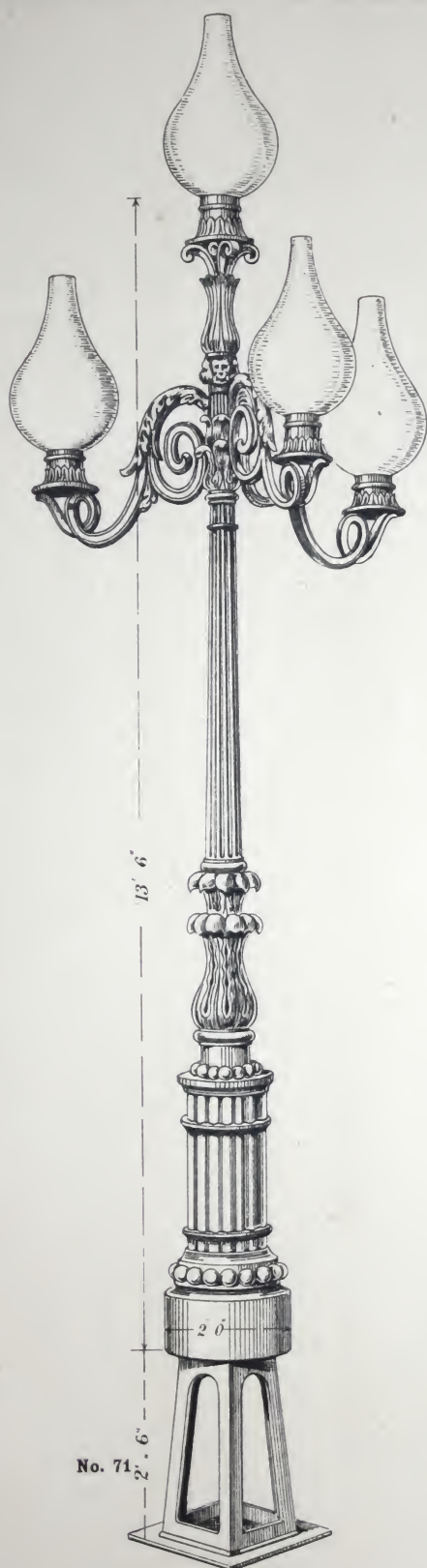
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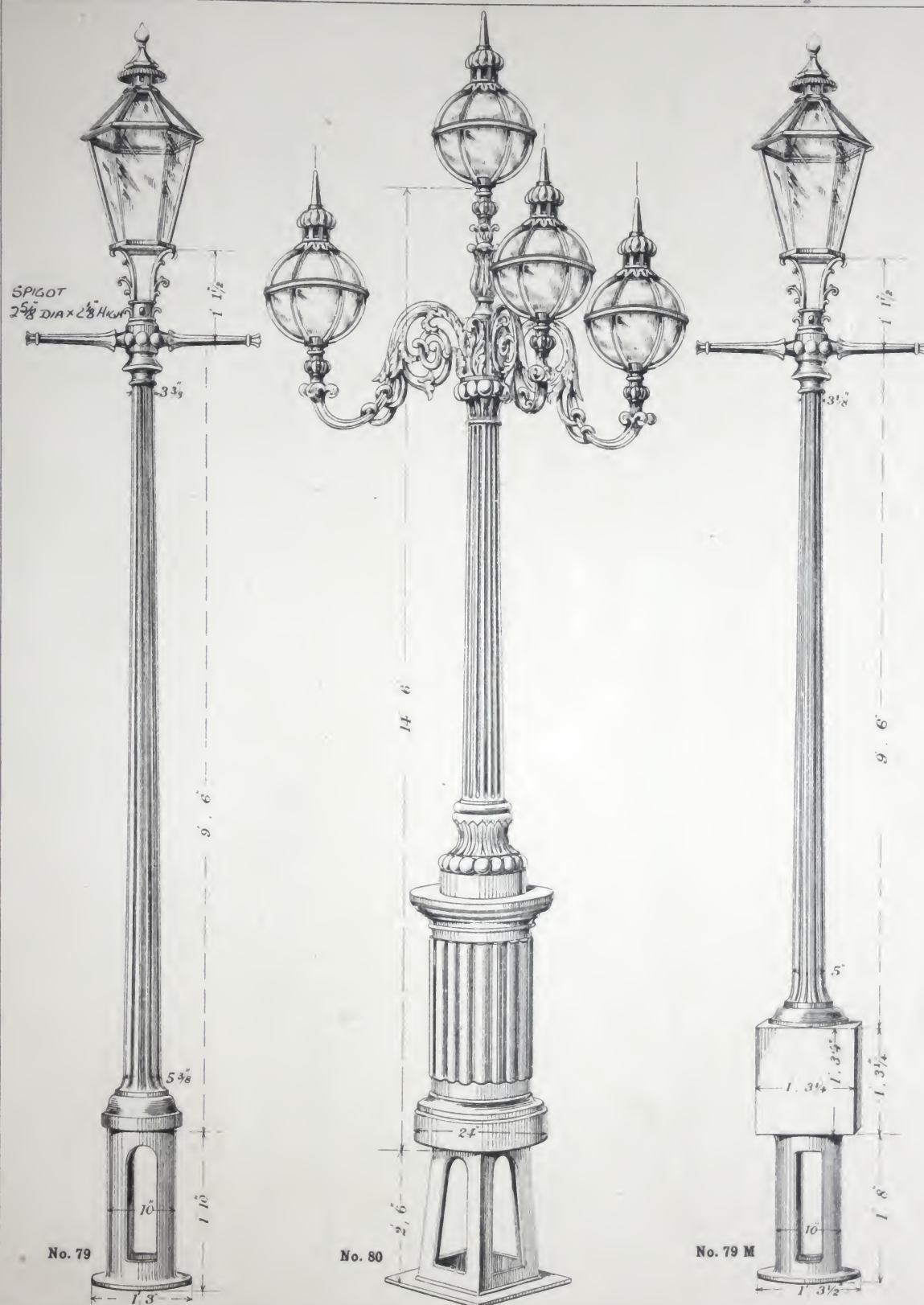
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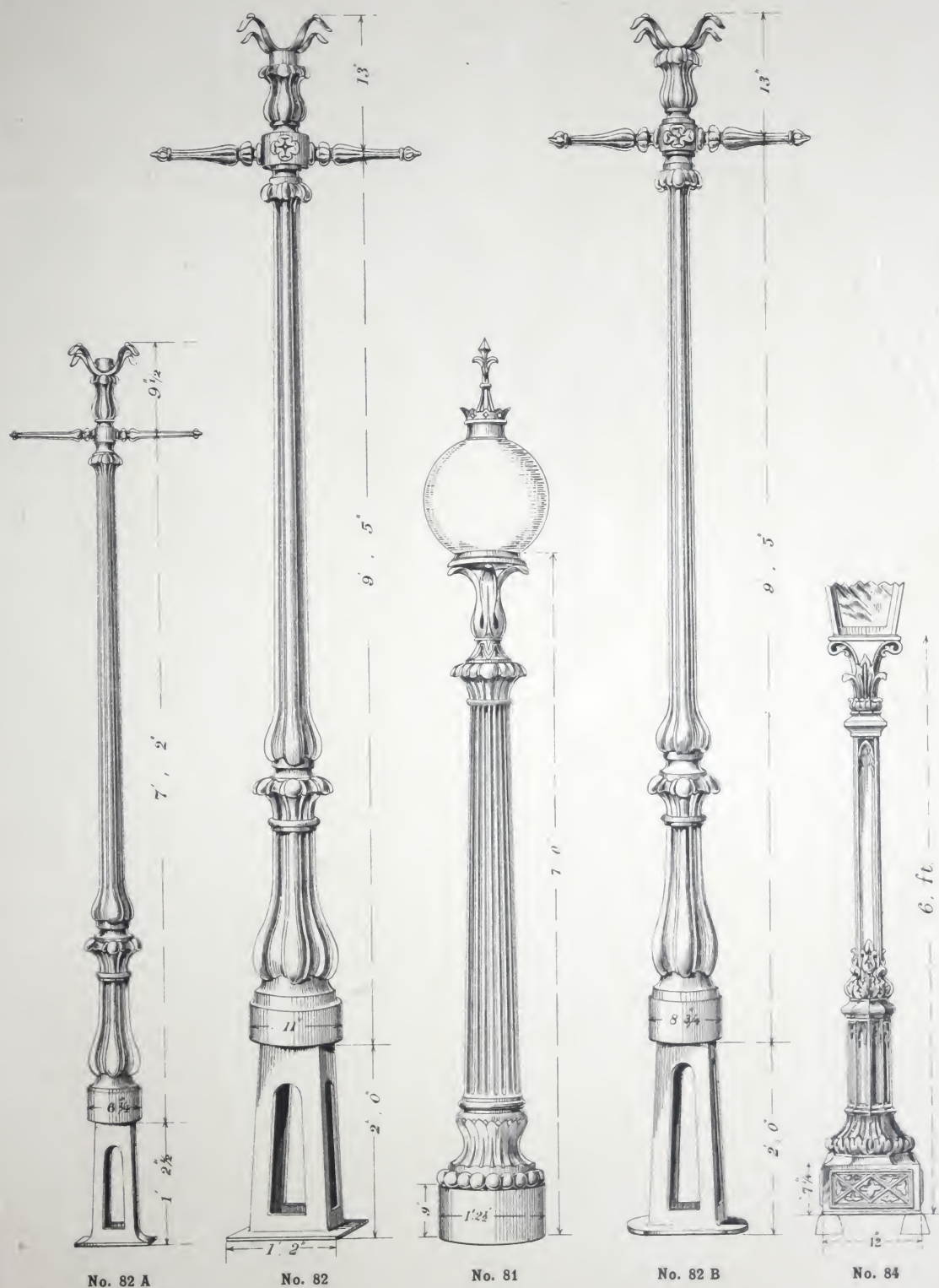
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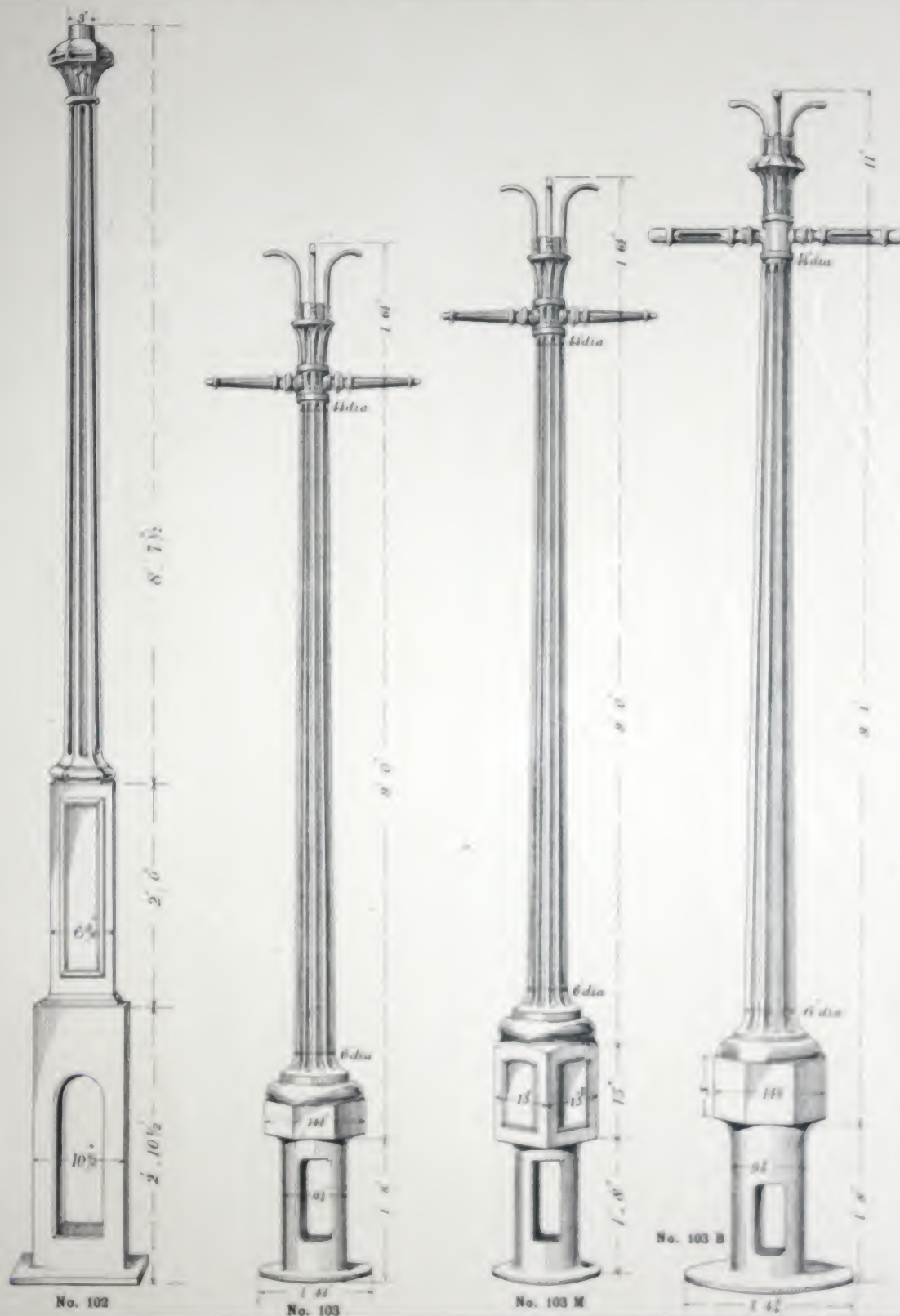
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No. 107, with Boundary Posts No. 108

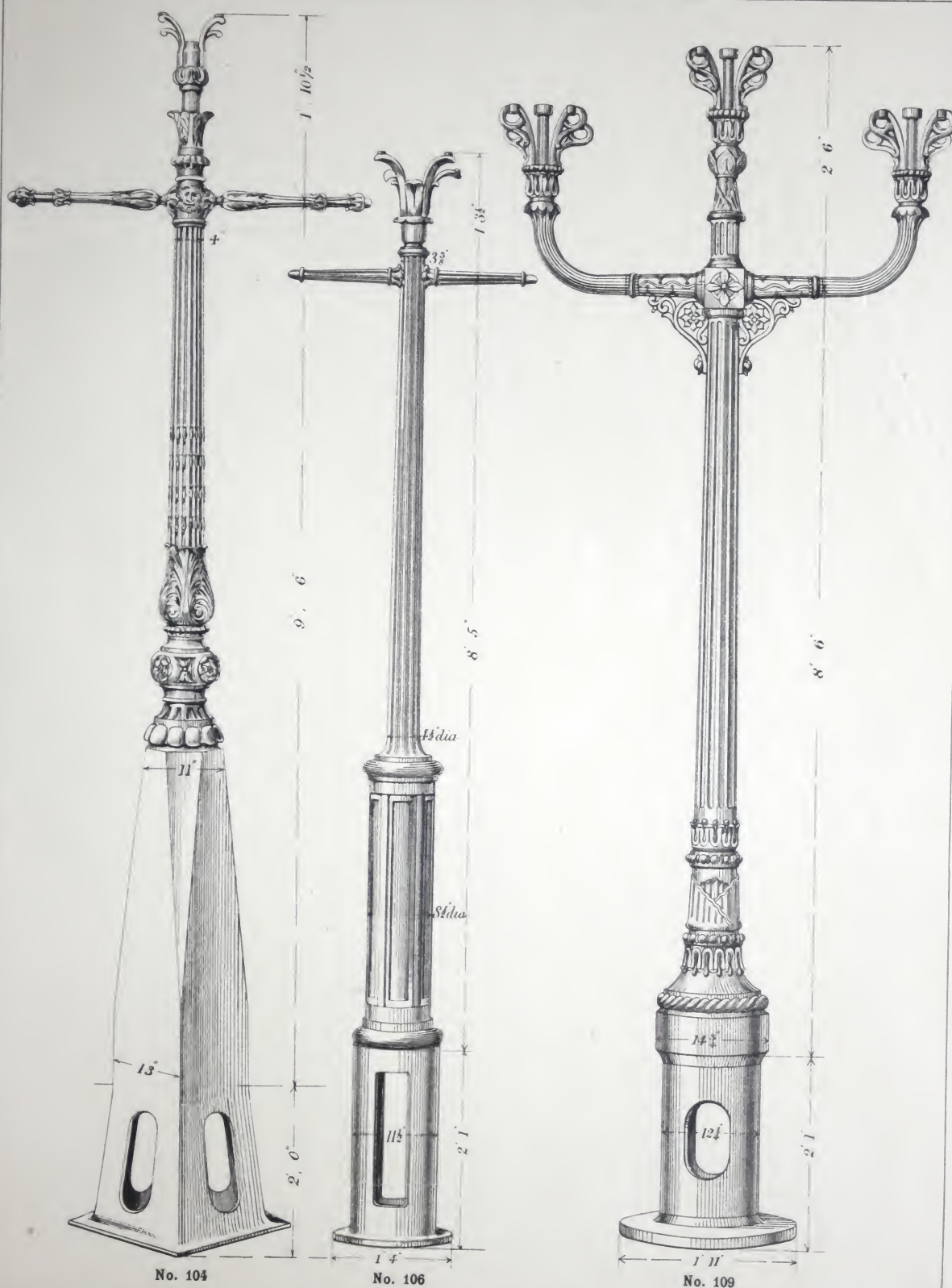
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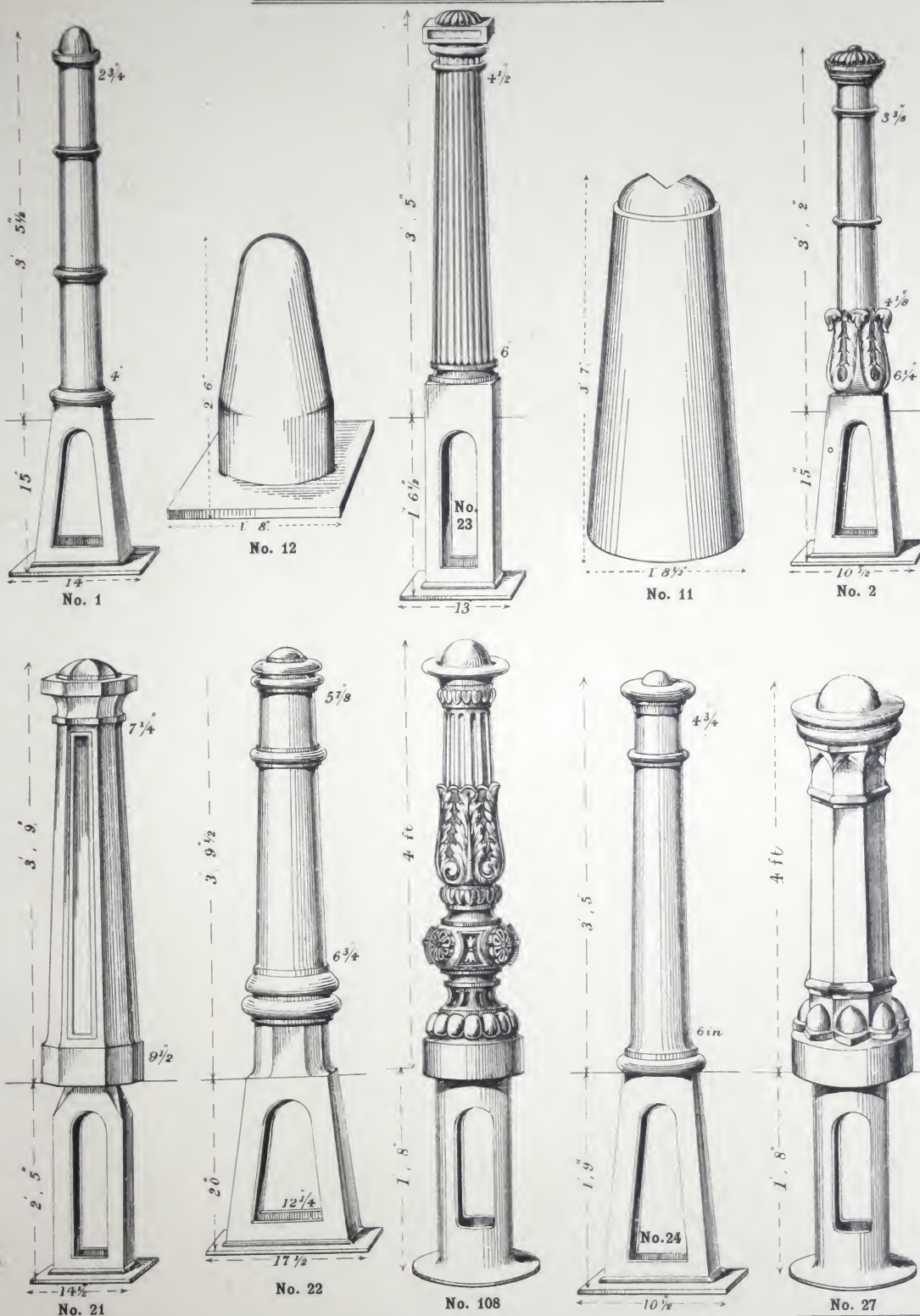
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BOUNDARY POSTS.



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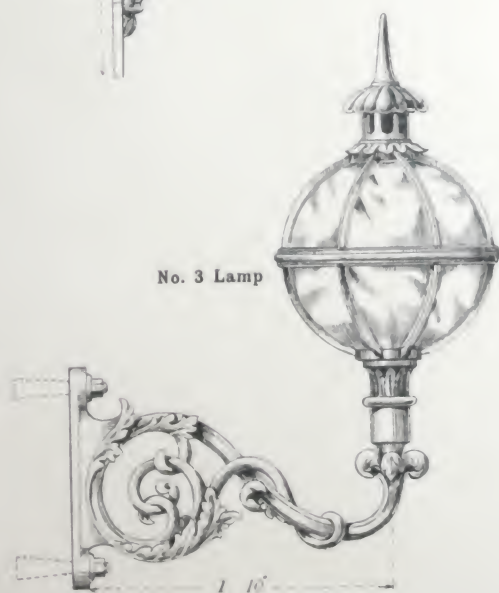
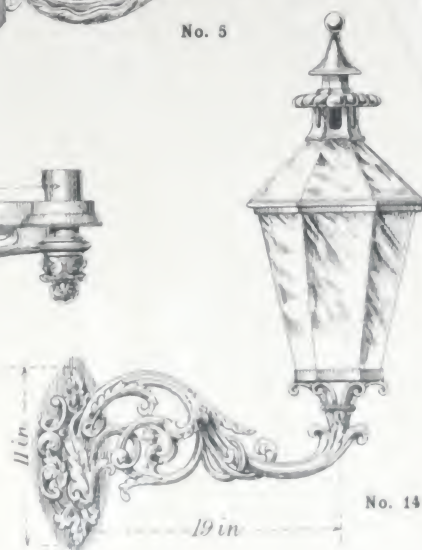
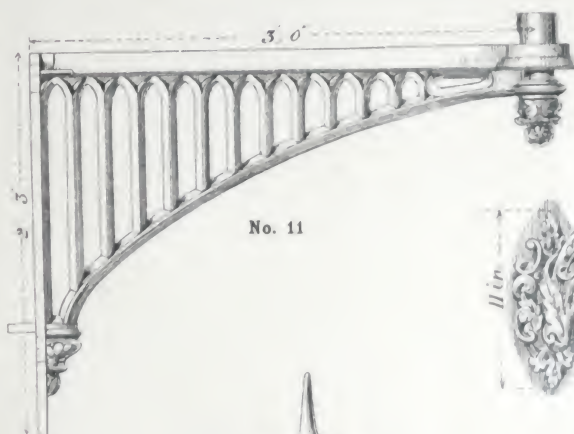
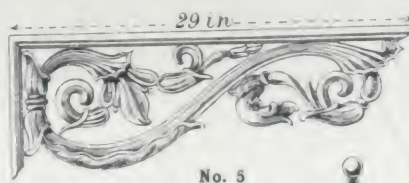
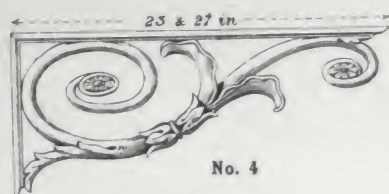
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NEWTON, CHAMBERS & CO. LIMITED.

LAMPS & BRACKETS.



Bracket No. 15

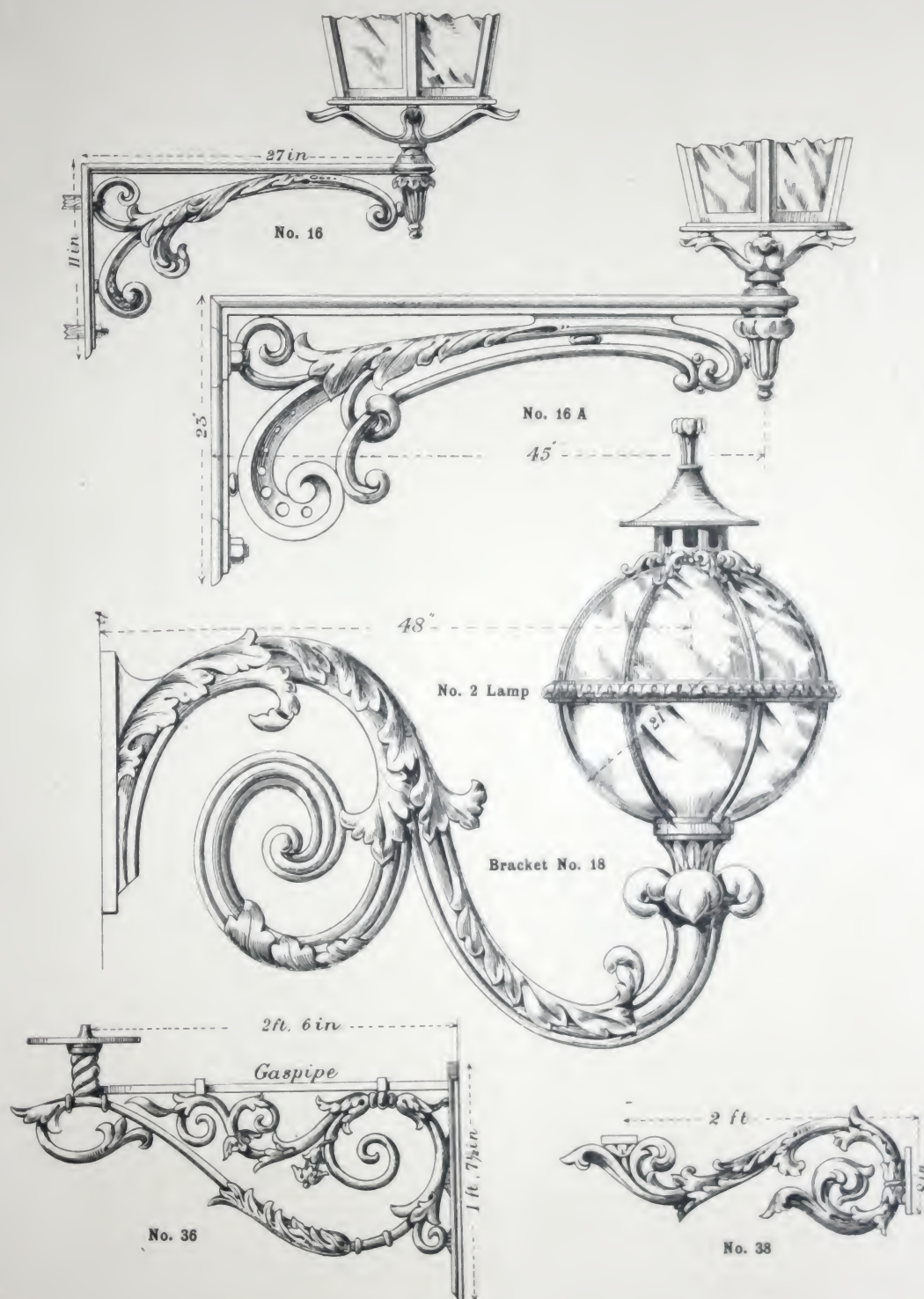
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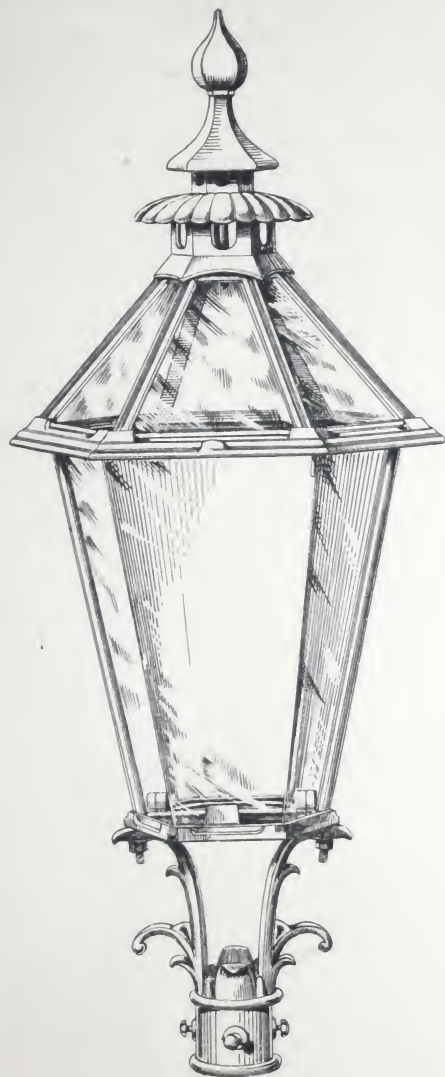
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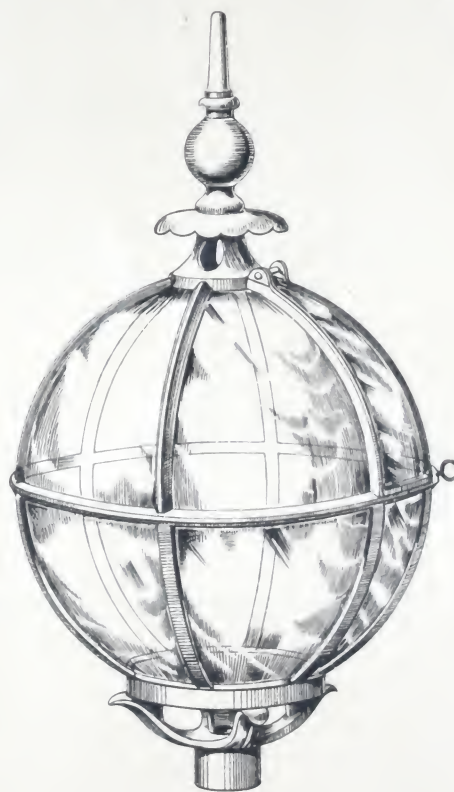
CCA

NEWTON, CHAMBERS & CO. LIMITED.

LAMPS.



No. 79 Lamp



No. 4 Lamp

THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.

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CCA

NEWTON, CHAMBERS & CO. LIMITED.

STEAM, GAS & WATER PIPES & CONNECTIONS.



SYPHON.



COLLAR.



BLANK FLANGE.



BLANK SOCKET.



BLANK SPIGOT.



OUTLET CLIP.



TEE.



$\frac{1}{4}$ BEND.



$\frac{1}{8}$ BEND.



$\frac{1}{2}$ BEND.



JUNCTIONS.



DIMINISHING PIPE.



FLANGED PIPES.



FLANGE FITTINGS.



DOUBLE SOCKET,
DIMINISHING PIPE.



BRANCH PIPE.



TEE PIPE.
REDUCED BRANCH



SYPHON.



SOCKET & SPIGOT,
 $\frac{1}{4}$ BEND



COMMON PIPE.



DOUBLE SOCKET,
 $\frac{1}{4}$ BEND.



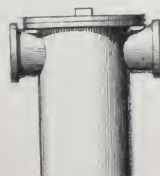
$\frac{1}{8}$ BEND



$\frac{1}{4}$ BEND.



$\frac{1}{2}$ BEND.



TAR SYPHON.



STAND BEND.



EQUAL TEE.



CROSS PIPE.

THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.

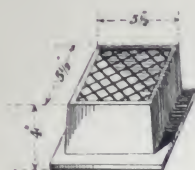
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NEWTON, CHAMBERS & CO. LIMITED.

STREET BOXES FOR GAS OR WATER MAINS.



No. 11



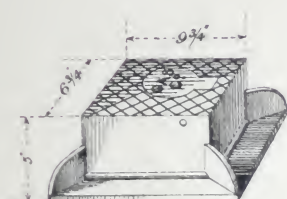
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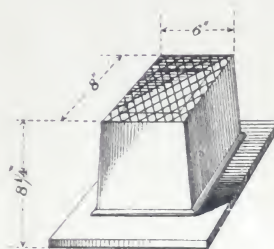
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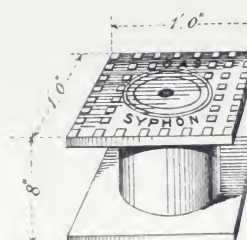
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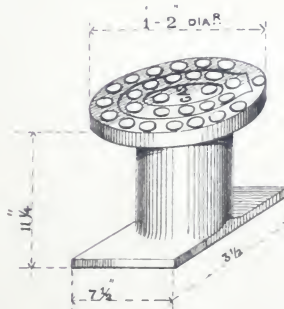
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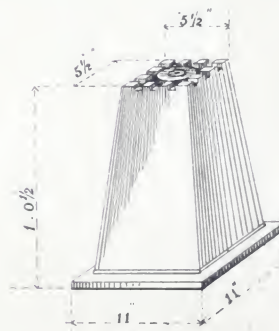
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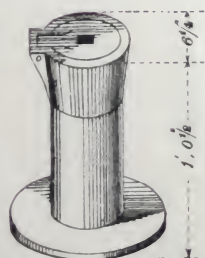
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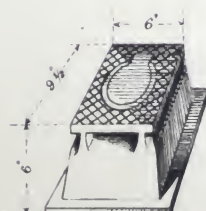
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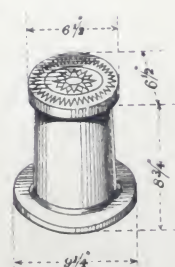
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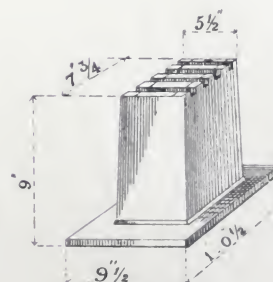
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No. 3



No. 6



No. 12

THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.

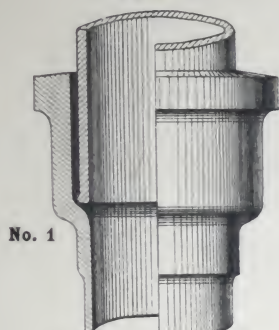
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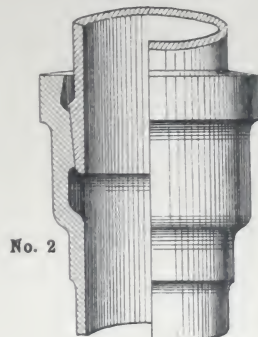
CCA

NEWTON, CHAMBERS & CO. LIMITED. SECTIONS OF STEAM, GAS & WATER PIPES.

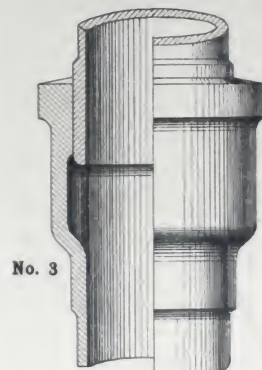
COMMON JOINT.



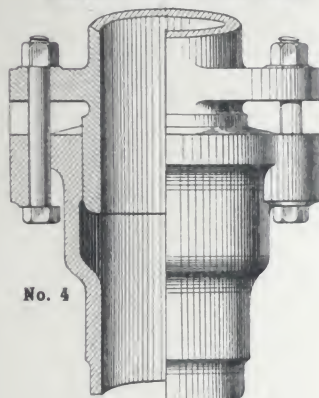
COMPOSITE JOINT.



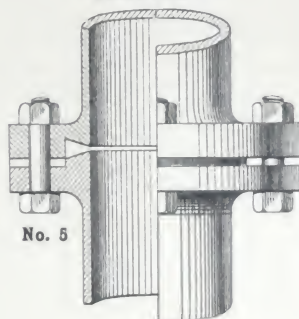
TURNED & BORED JOINT.



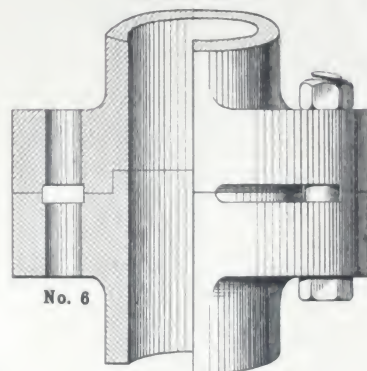
TURNED & BORED & LUG JOINT.



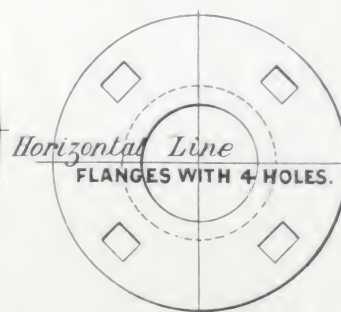
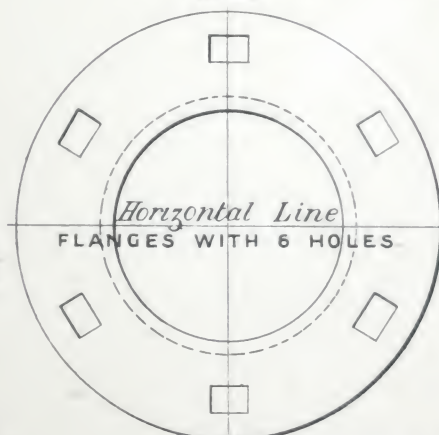
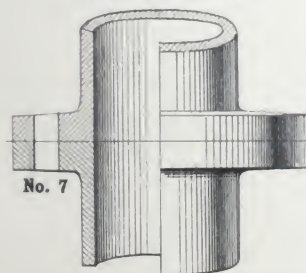
SPIGOT & FAUCET FACED JOINT.



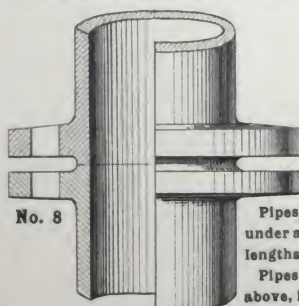
HYDRAULIC JOINT OVAL FLANGES.



PLAIN FLANGE JOINT FACED IF REQUIRED.



FILLETED FLANGED JOINT FACED.



Pipes 2½ dia. and under are made in 6 ft. lengths.
Pipes 3 dia. and above, in 9 ft. lengths.

DIMENSIONS OF FLANGES FROM 1½ TO 12" DIAMETER.

DIAMETER OF PIPE.	DIAMETER OF FLANGES.	NUMBER OF BOLT HOLES.	CENTRE LINE OF BOLT HOLES.	SIZE OF HOLES.
1½"	6"	3	4½"	8"
2"	6½"	4	4½"	8"
2½"	7"	4	5½"	8" x 1"
3"	8"	4	6½"	8" x 1"
4"	9"	4	7½"	8" x 1"
5"	10"	4	8"	8" x 1"
6"	11"	4	9"	8" x 1"
7"	1' 1"	6	10½"	8" x 1½"
8"	1' 2"	6	1' 0"	8" x 1½"
9"	1' 3"	6	1' 1"	8" x 1½"
10"	1' 4"	6	1' 2"	8" x 1½"
12"	1' 6"	6	1' 4"	8" x 1½"

THORNCIFFE IRON WORKS, NEAR SHEFFIELD.

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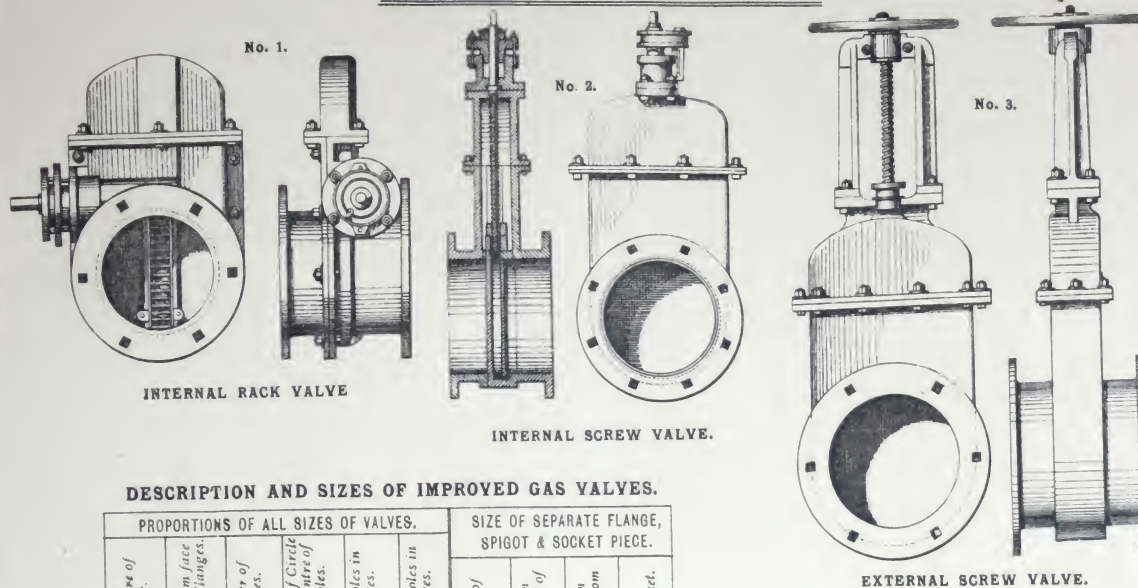


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NEWTON, CHAMBERS & CO. LIMITED.

IMPROVED GAS VALVES.



DESCRIPTION AND SIZES OF IMPROVED GAS VALVES.

PROPORTIONS OF ALL SIZES OF VALVES.						SIZE OF SEPARATE FLANGE, SPIGOT & SOCKET PIECE.			
Size of bore of Valve.	Length from face to face of Flanges.	Diameter of Flanges.	Diameter of Circle through centre of bolt holes.	No. of holes in Flanges.	Size of holes in Flanges.	Size of bore of Valve.	Length from Flange to end of Spigot.	Length from Flange to bottom of Socket.	Depth of Socket.
Inches.	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.
2	8½	6½	—	—	—	2	12	2½	2½
3	10½	8½	6½	4	—	3	12	3	2½
4	11½	10	8	4	—	4	12	3	3
5	11½	10½	9	4	—	5	14	3	3
6	11½	12	10	4	—	6	14	3	3½
7	11½	14½	12	6	1	7	14	3	3½
8	12½	16½	13	6	1	8	14	4	3½
9	13½	17	14½	6	1	9	14	4	3½
10	13½	18	15½	6	1	10	14	4	4
12	16	20½	17	6	1½	12	18	4	4
14	16	22	19	6	1½	14	18	4	4½
15	17	23	20	6	1½	15	18½	4	5
16	18	24½	21	6	1½	16	19	4	5
18	18	26½	23	6	1½	18	20	4	5½
20	20	29	25	8	1½	20	20	4	5½
22	20	31	27	8	1½	22	21	4	6
24	20	33	29½	8	1½	24	21	4	6
26	20	35	32½	8	1½				
30	22	39	35½	10	1½				
36	23	46	42½	12	1½				
42	27	52	48½	14	1½				
48	31	58	54½	16	1½				

ALL VALVES TESTED TO 30 LBS. PRESSURE PER SQUARE INCH BEFORE LEAVING THE WORKS.
 The dimensions give the sizes of the Valves, without allowance for joints, but they will vary slightly. The two joints of the Valves are planed.
 The spindles and screws are forged iron. The racks and pinions are best cast steel.

OUTSIDE RACK VALVES and other SPECIAL VALVES made to order.

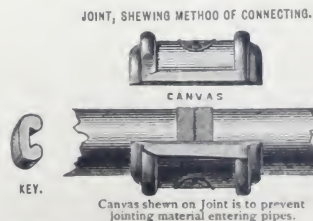
Also Makers of all descriptions of GAS WORKS PLANT, viz.:-

GASHOLDERS, PURIFIERS, SCRUBBERS, CONDENSERS, HYDRAULIC MAINS, RETORT BED FITTINGS, IRON ROOFS, DRY-FACED CENTRE AND BY-PASS VALVES, &c.

FISHER'S PATENT JOINT (Patent No. 8360) No. 305,

For connecting and repairing Hot Water, Steam, Gas and Water Pipes.

The joint is made in halves and fastened with malleable-iron keys at each side. For Hot Water work they are corrugated inside, and red or white lead or cement can be used for jointing. The pipes and fittings with plain ends are used for this joint. Defective pipes can be repaired by an inexperienced workman in a few minutes. Joints for underground pipes are made plain inside for caulking.



N.B.—ALL PIPES AND CONNECTIONS TESTED BY HYDRAULIC PRESSURE BEFORE LEAVING THE WORKS.

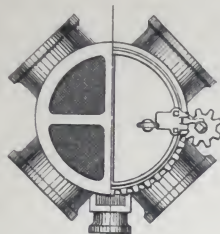
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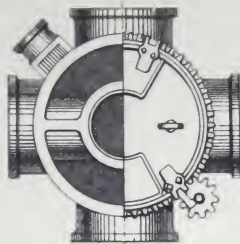


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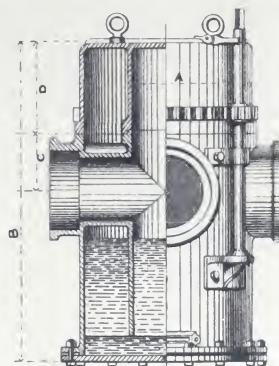
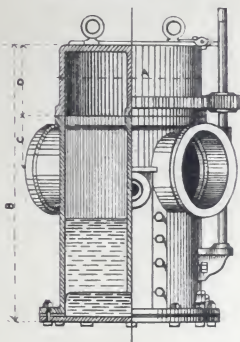
BYE PASS VALVE.



CENTRE PORT BYE PASS VALVE.

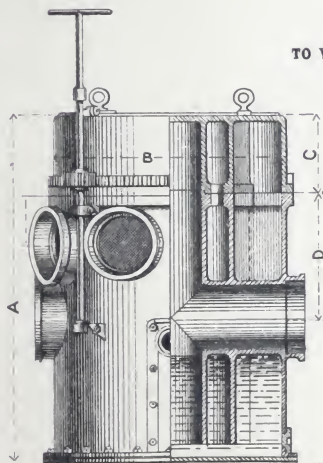
DIMENSIONS
CENTRE PORT BYE PASS VALVE.

SIZE	A	B	C	D
3"				
4"				
5"				
6"				
7"				
8"				
9"				
10"				
12"				
14"				
15"				
16"				
18"				
20"				
22"				
24"				

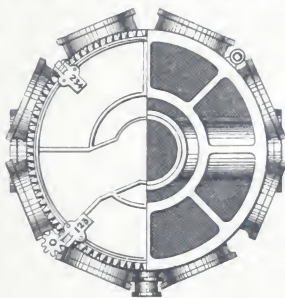


BYE PASS VALVE

3"					
4"	10"	2'	2"	3 1/2"	6"
5"	1' 0 1/2"	2'	4"	6"	6 1/2"
6"	1' 4"	2'	8"	6"	7"
7"					
8"	1' 7 1/2"	3'	3"	7 1/2"	10"
9"	1' 9"	3'	4"	8"	10"
10"	2' 0"	4'	2"	9 1/2"	1' 1 1/2"
12"	2' 3"	4'	6"	11"	1 1/4"
14"	2' 8"	4'	8"	1' 0"	1' 2"
15"	2' 10 1/2"	5' 0"	1'	1 1/2"	1' 3 1/2"
16"	3' 0"	6'	2'	1' 2"	1' 8"
18"	3' 6"	6'	7'	1' 4"	1' 10"
20"	3' 9"	6'	9'	1' 4"	1' 6"
22"					
24"	4' 5"	8' 0"	1'	6"	2' 3"

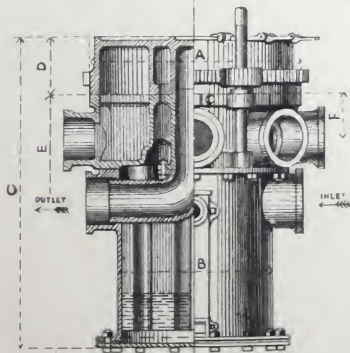


CENTRE VALVE,
TO WORK FOUR PURIFIERS, THREE ON AND ONE OFF.

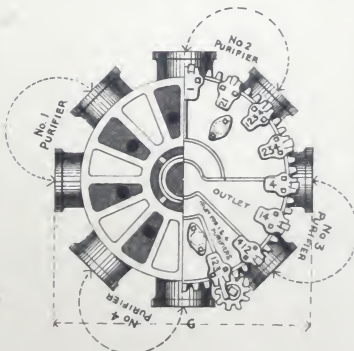


DIMENSIONS.

SIZE	A	B	C	D	E
3"					
4"	3' 0"	1' 6"	8"	11 1/2"	
5"	3' 8"	1' 9"	10"	13"	6 1/2"
6"	4' 0"	2' 2"	12"	15"	7 1/2"
7"					
8"	5' 0"	2' 8"	12 1/2"	19 1/2"	8 1/2"
9"	5' 0"	3' 0"	12 1/2"	18 1/2"	8"
10"	5' 7"	3' 3"	14"	22 1/2"	10"
12"	6' 4"	3' 10"	14 1/2"	1' 11"	10 1/2"
14"	7' 8"	4' 0"	1' 8"	2' 6"	1' 3"
15"	7' 8"	4' 7"	1' 8"	2' 8"	
16"					
18"	8' 3 1/2"	5' 5"	1' 11"	2' 11"	1' 2 1/2"
20"					
22"					
24"					



PATENT CENTRE VALVE,
TO WORK ONE, TWO, THREE OR FOUR PURIFIERS.



DIMENSIONS.

DIAM. OF PIPE	A	B	C	D	E	F	G
3"							
4"	1' 11 1/2"	1' 10"	3' 6"	8"	1' 2"	6"	2' 6"
5"	2' 6"	1' 10"	3' 8 1/2"	8"	1' 3 1/2"	6 1/2"	3' 0 1/2"
6"	2' 8 1/2"	2' 0"	3' 10"	9"	1' 5"	7"	3' 3"
7"	3' 0"	2' 3"	4' 5"	10 1/2"	1' 7"	8"	3' 6"
8"	3' 4"	2' 6"	4' 8"	12"	1' 9"	9"	4' 0"
9"	3' 10"	2' 10"	5' 1 1/2"	1' 1"	1' 11 1/2"	9 1/2"	4' 5"
10"	4' 2"	3' 0"	5' 6"	1' 4"	2' 0 1/2"	10"	4' 6"
12"	4' 7 1/2"	3' 4"	6' 3"	1' 6"	2' 5"	1' 0"	5' 1 1/2"
14"	5' 6"	4' 0"	7' 0"	1' 8"	2' 8"	1' 1"	5' 11"
15"	5' 11"	4' 4"	7' 5"	1' 9"	2' 10"	1' 1 1/2"	6' 5"
16"	6' 3"	4' 7 1/2"	7' 10"	1' 10"	3' 0"	1' 2"	6' 9"
18"	7' 3"	5' 7 1/2"	8' 3"	1' 10"	3' 2"	1' 3"	7' 11"
20"	7' 6"	6' 1 1/2"	8' 9"	2' 0"	3' 5"	1' 4"	8' 6"
22"							
24"	9' 1 1/2"						

THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.

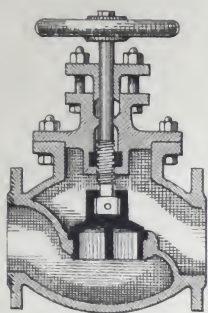
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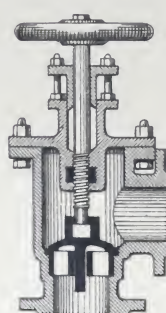
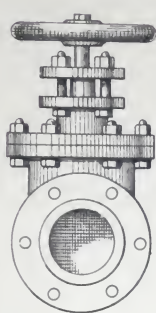
CCA

NEWTON, CHAMBERS & CO. LIMITED.

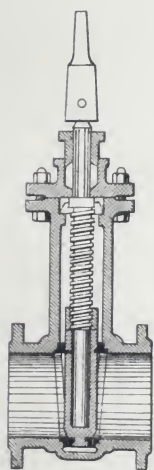
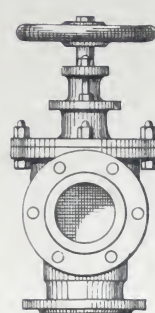
STEAM AND WATER VALVES.



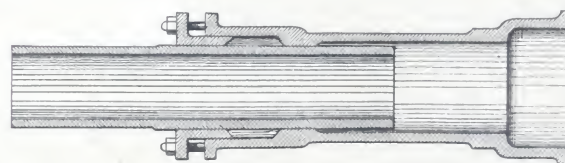
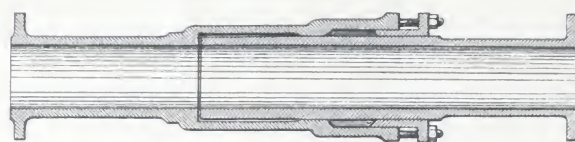
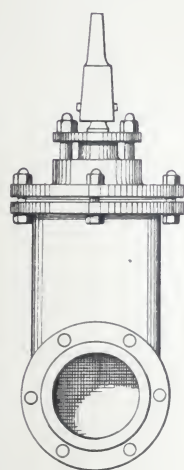
BELLY VALVE.



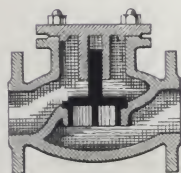
STEAM ELBOW VALVE.



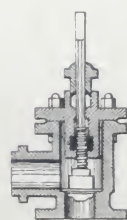
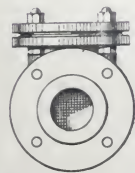
STEAM OR WATER VALVE.



EXPANSION JOINTS.



STEAM OR WATER
HOLDING-UP VALVE.



COKE OVEN VALVE.



THORNCLIFFE IRON WORKS, NEAR SHEFFIELD.



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